

ABSTRACT OF THE DISCLOSURE

The magnetic recording medium includes: an underlayer constituted of at least a substrate and a nonmagnetic metal element; and an amorphous magnetic layer, made of amorphous magnetic material, which magnetically records information, wherein the amorphous magnetic layer has bumps on a surface thereof or the magnetic recording medium has bumps on a surface thereof (surface of a lubricating layer) so that density of the bumps is not less than 400 bumps/ μm^2 or so that height of the bumps is not less than 2% with respect to an average layer thickness of the amorphous magnetic layer. Thus, magnetic wall movement of the amorphous magnetic layer is effectively suppressed, so that it is possible to stably form a recording bit. Therefore, even in a case of performing high-density recording by forming a minute recording bit, it is possible to record information with sufficient signal quality. Further, a magnetic recording device causes the magnetic recording medium to record information by locally heating the amorphous magnetic layer and by applying a magnetic field to at least one part of a heated region.